

**4.8-kDa and 10-kDa mPEGs Bind 100X More Tightly to Anti-mPEG Antibodies than PEG Lacking Methoxyl Groups**

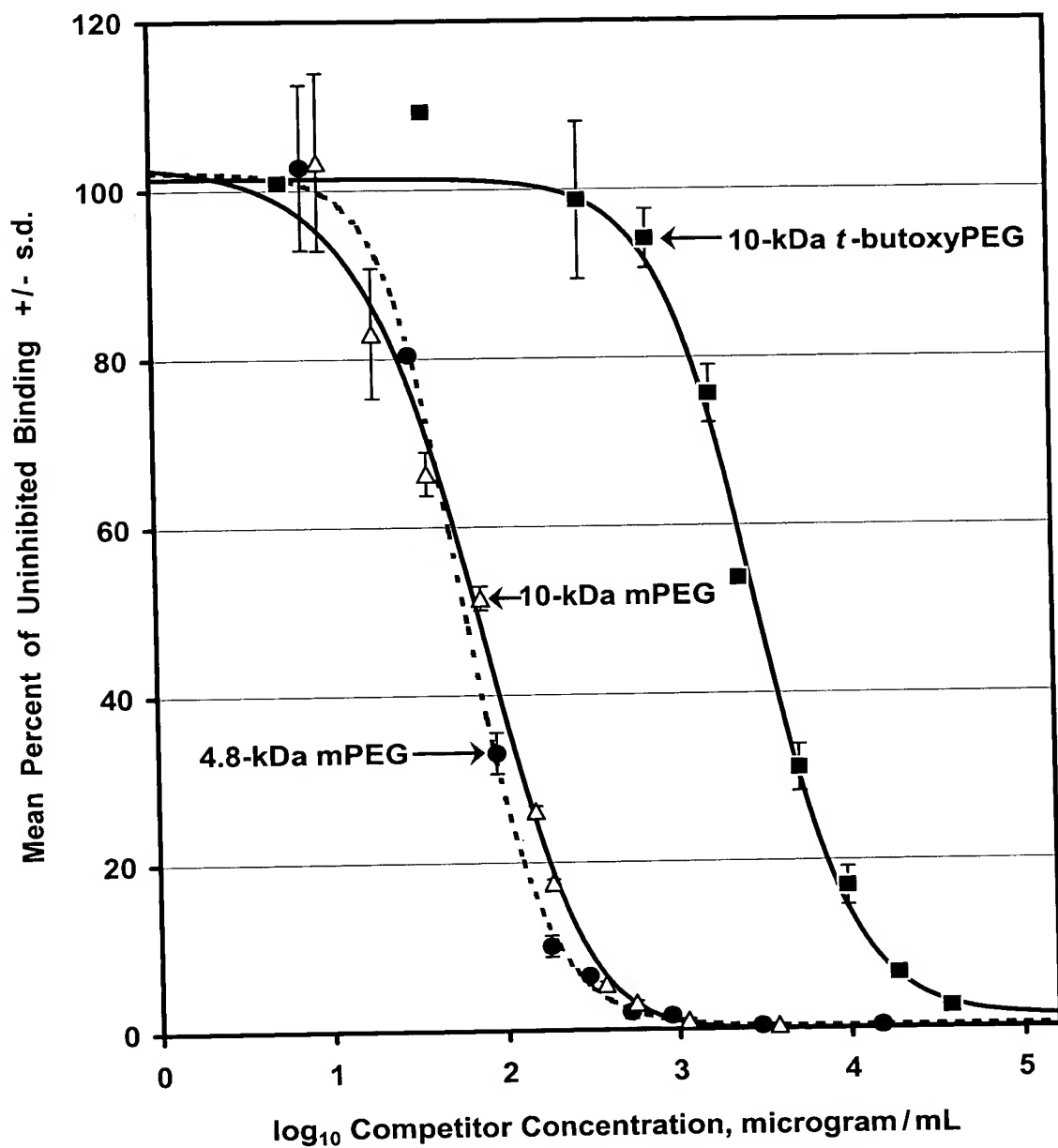


Figure 1

Competitive Binding to Anti-mPEG Antibodies by Linear PEGs or  
"Branched PEGs" (mPEG-lysines) with 1 or 2 Methoxyl Groups

(Graphed vs. Molarity of Methoxyl Groups)

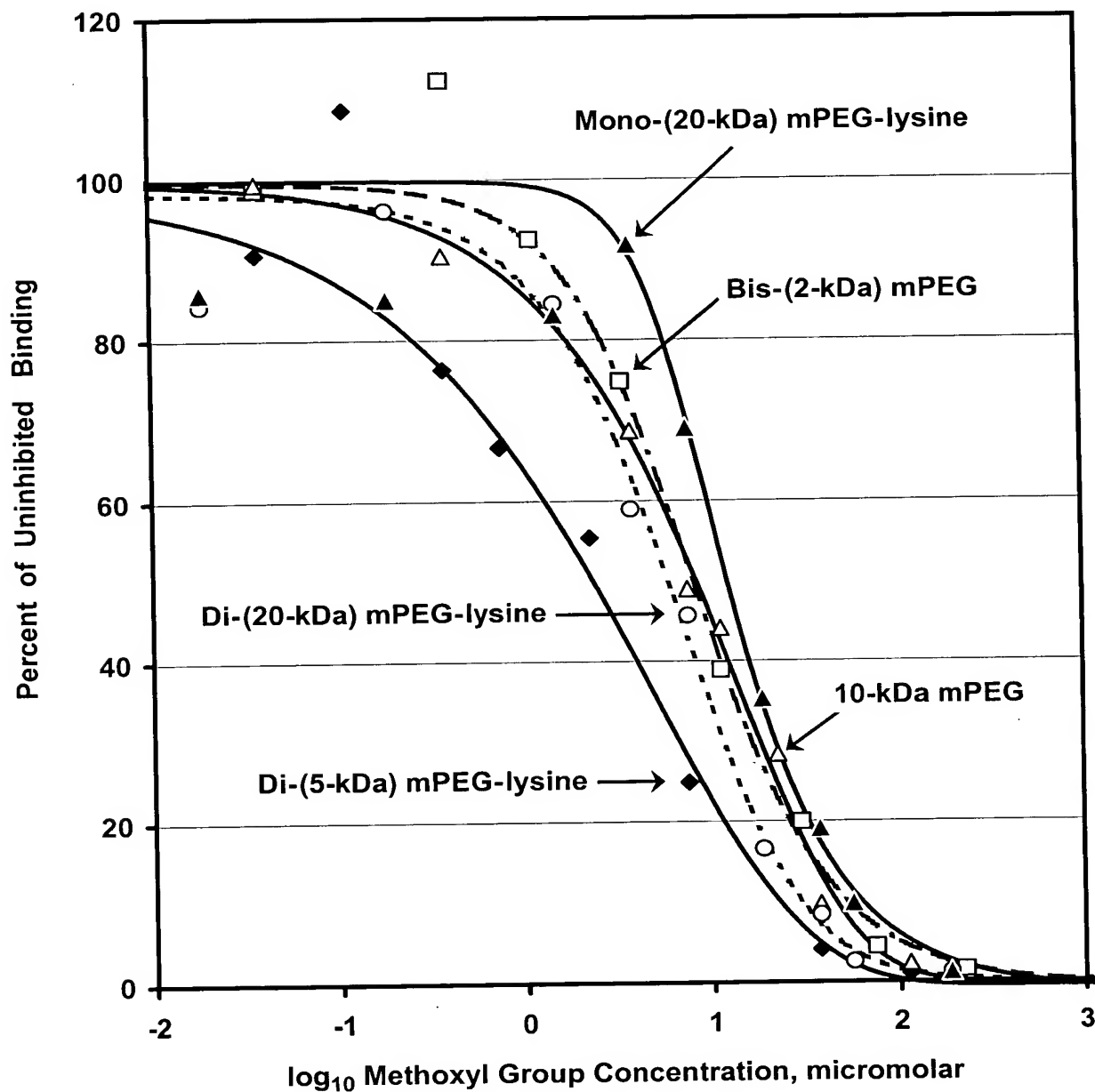
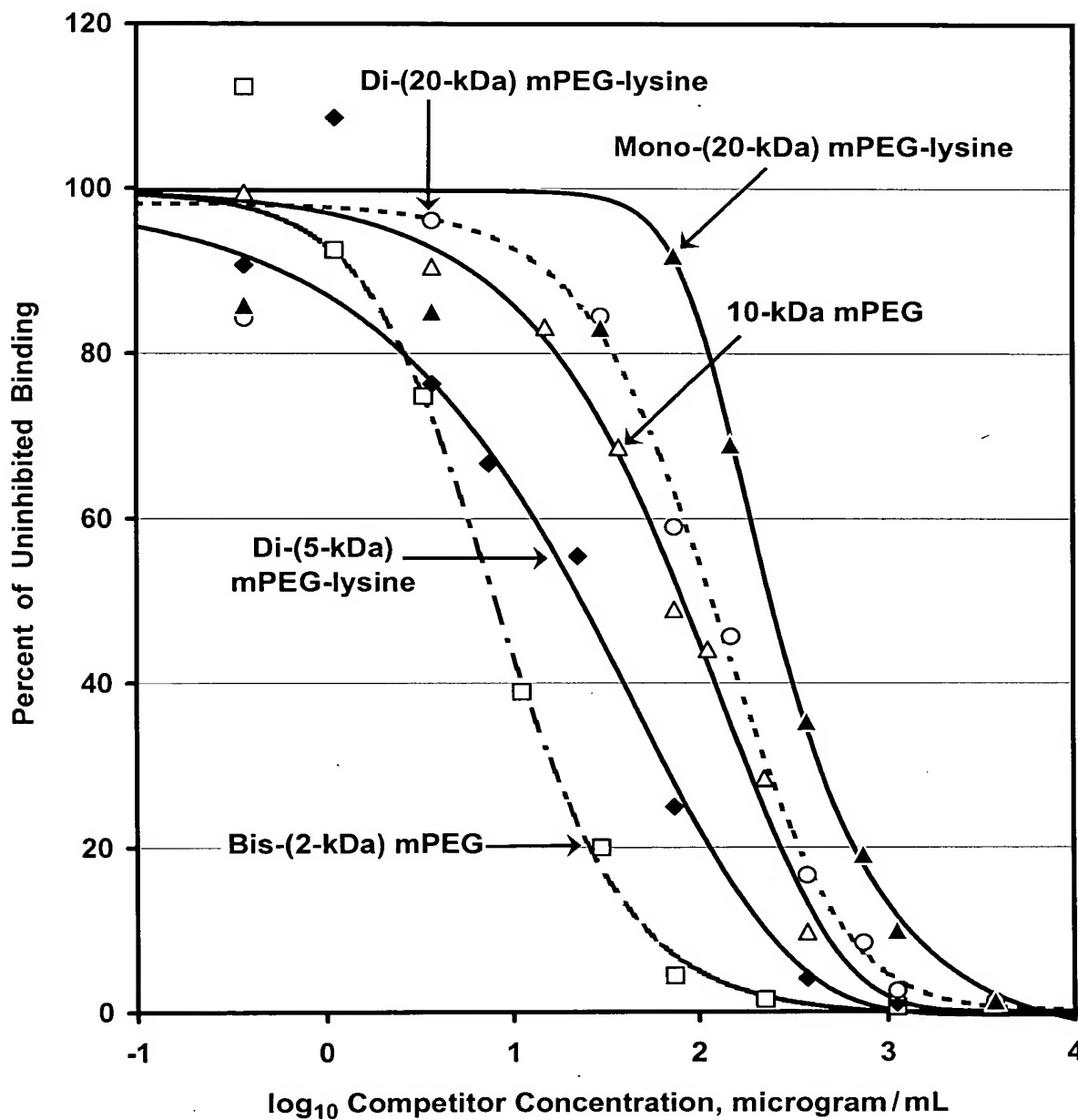


Figure 2a

**Competitive Binding to Anti-mPEG Antibodies by Linear PEGs  
or "Branched PEGs" Containing 1 or 2 Methoxyl Groups**

(Graphed vs. Weight Concentration of PEG)



**Figure 2b**

Differences in Affinities for Anti-mPEG Antibodies among  
10-kDa PEGs Containing 0, 1 or 2 Methoxyl Groups

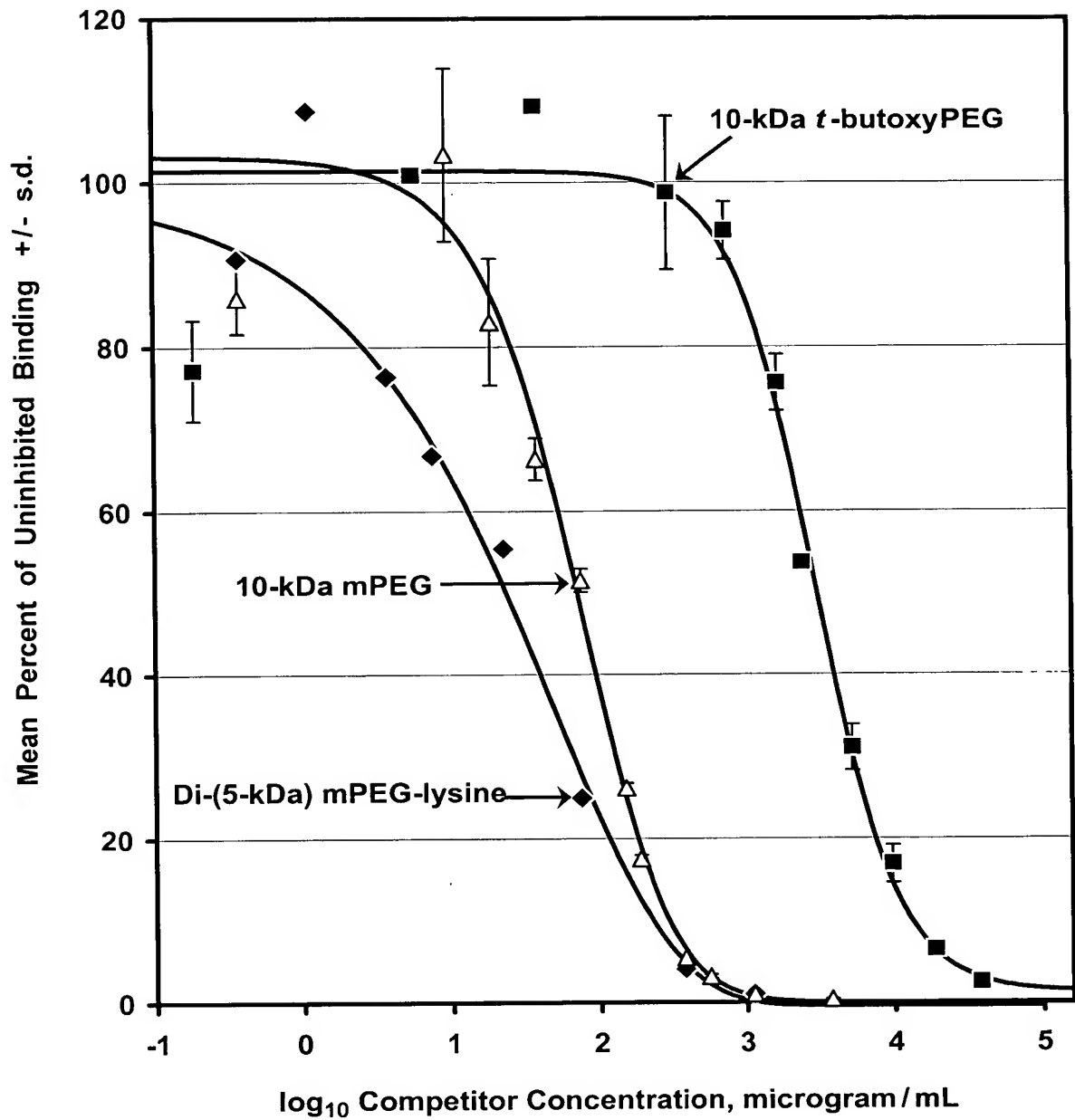
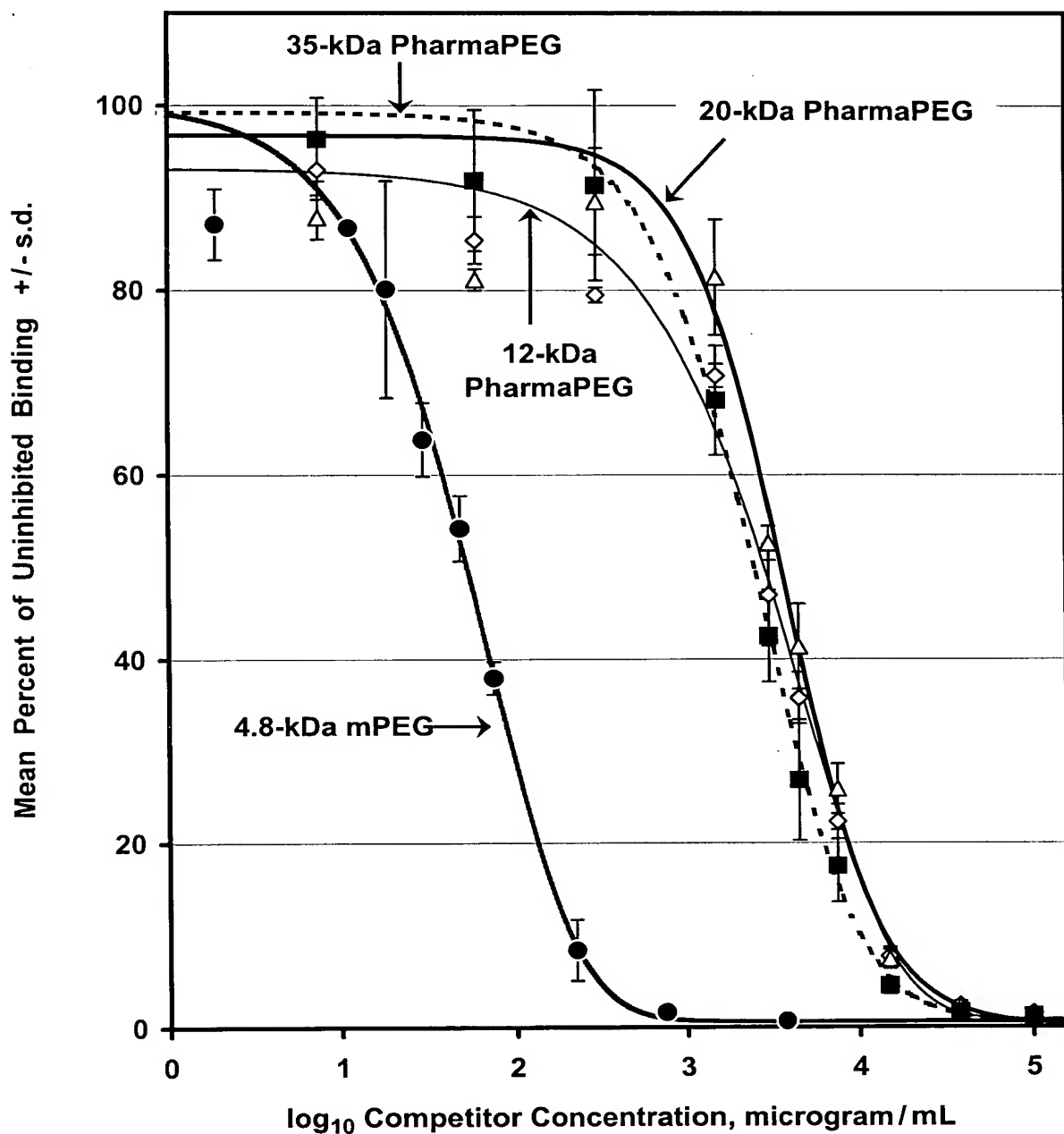


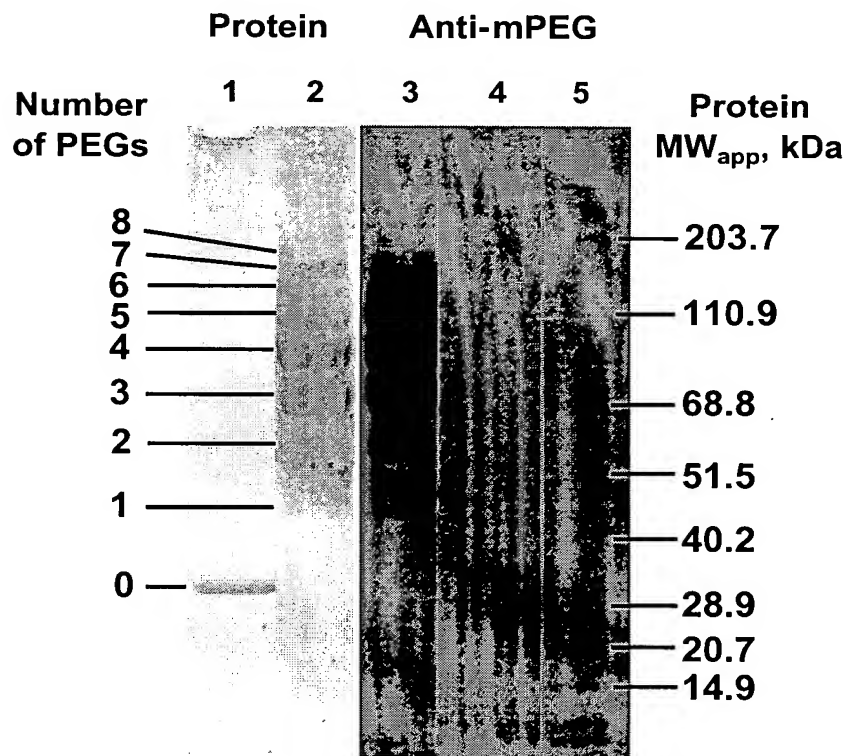
Figure 3

**mPEG Binds 100X More Tightly to Anti-mPEG Antibodies  
than HydroxyPEGs (PharmaPEGs) that Lack Alkoxy Groups**



**Figure 4**

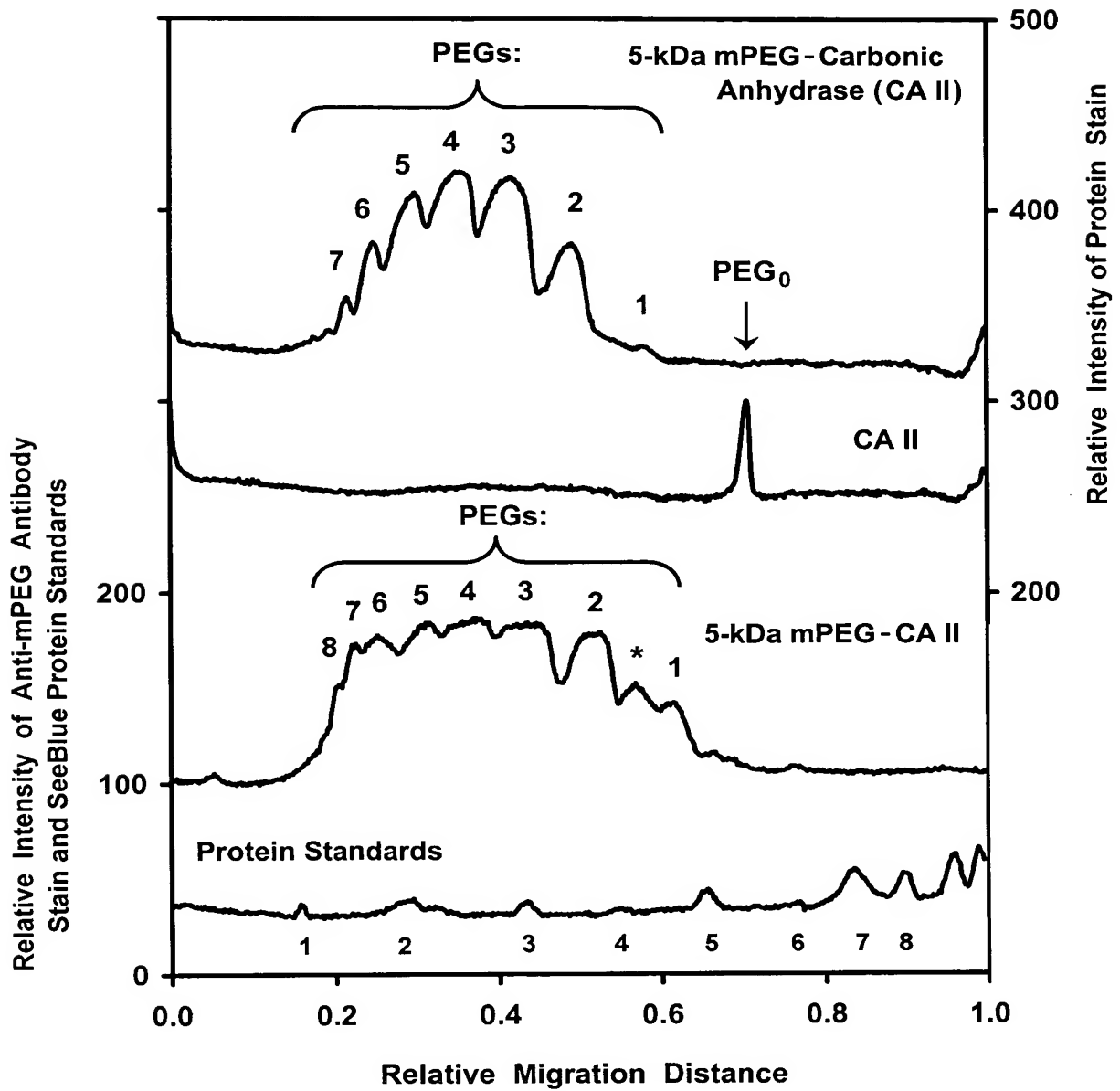
# **Detection of mPEG-protein Conjugates on a "Western Blot" with Anti-mPEG Antibodies**



Lane 1: Carbonic Anhydrase II ("CA II")  
 Lane 2: 5-kDa mPEG conjugates of CA II  
 Lane 3: 5-kDa mPEG conjugates of CA II  
 Lane 4: Carbonic Anhydrase II  
 Lane 5: SeeBlue Plus 2™ Standard Proteins

**Figure 5a**

Relative Intensities of Stained Bands in an Electrophoretic Gel and on a "Western Blot" with Anti-mPEG Antibodies



\*PEGylated fragment of CA II

Figure 5b

# Anti-PEG and Anti-uricase Antibodies in Sera of Rabbits Immunized with mPEG-uricase or PharmaPEG-uricase

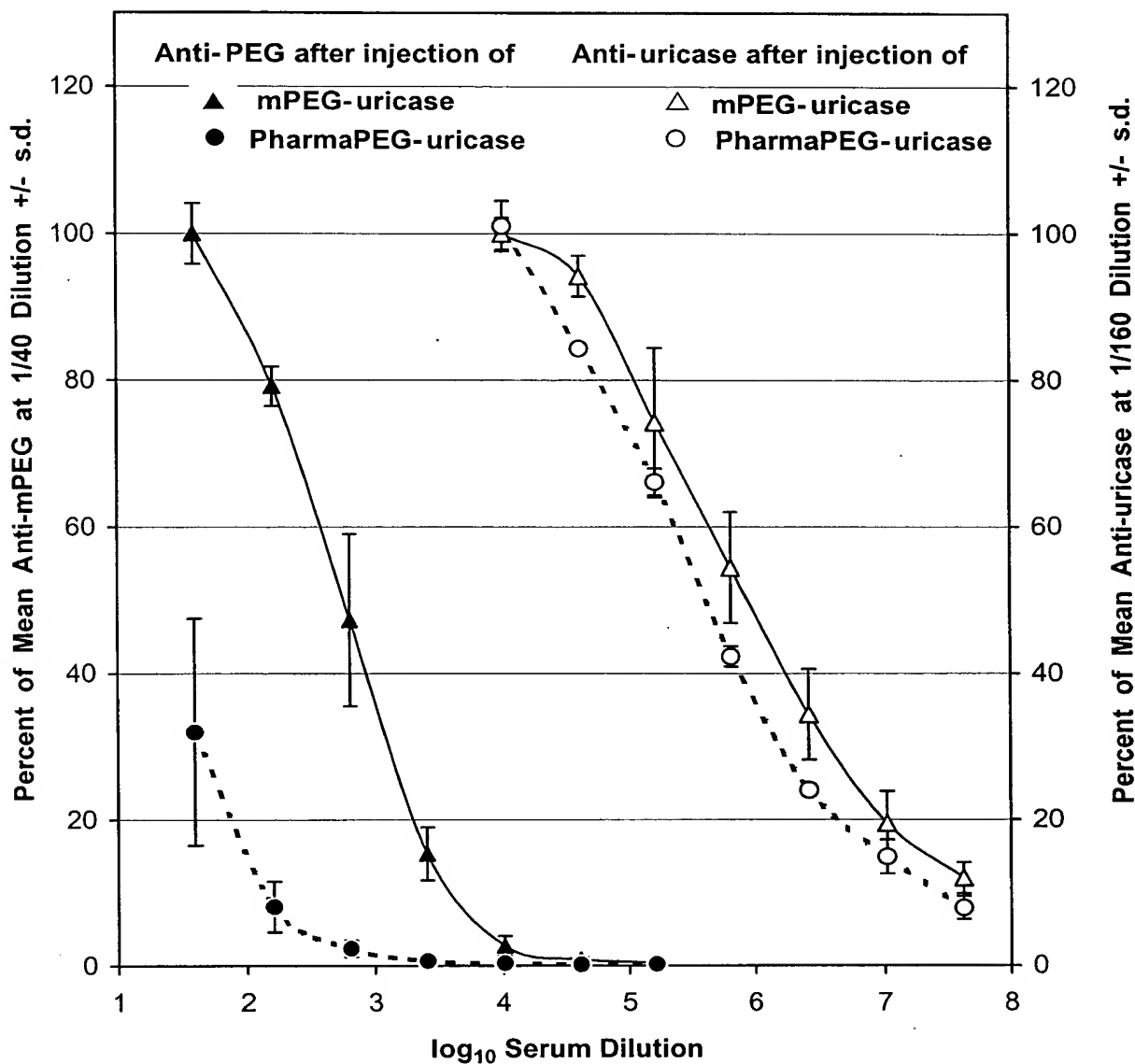


Figure 6a



# Anti-PEG and Anti-uricase Antibodies in Sera of Rabbits Immunized with mPEG-uricase or PharmaPEG-uricase

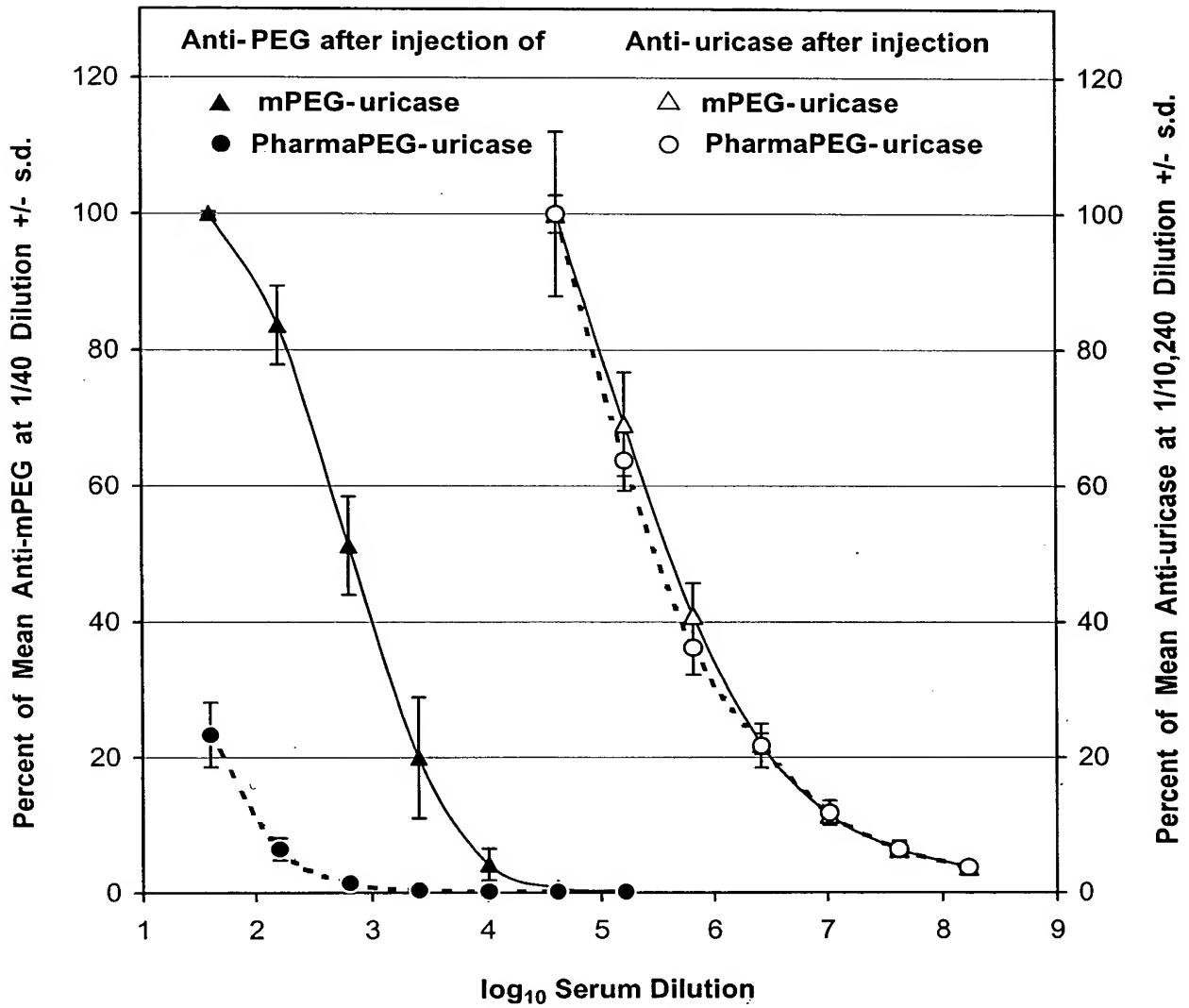


Figure 6b